

### Abstract

Methods and apparatus for using humidity level to adjust the temperature set point of an HVAC system for increased occupant comfort. In one illustrative embodiment, the temperature set point for the inside space is moved downward when the humidity of the  
5 inside space rises above a predetermined humidity set point threshold value. In warm climates, this causes the air conditioner of the HVAC system to be activated, which lowers the temperature of the inside space to a new lower temperature set point. In some embodiments, the HVAC system retains the new lower temperature set point for a predetermined time period. The predetermined time period may be dependent on a  
10 number of factors, including whether the space is expected to occupied or unoccupied.